Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/06/2020 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125590	0	3.22	125735	3.17
Blue	F	SSC	125000	124021	-1	2.09	124846	2.11
Blue	E	FITC	15892	15594	-2	2.88	341	21.27
Blue	D	PE	29999	29503	-2	2.11	643	15.18
Blue	B	PerCP-Cy5-5	43732	43832	0	3.88	1171	21.46
Blue	A	PE-Cy7	30845	30940	0	6.49	584	43.73
Red	C	APC	46112	45449	-2	2.42	1610	12.12
Red	A	APC-Cy7	30458	29582	-3	2.42	785	11.76
Violet	B	V450	7918	7609	-4	4.04	430	12.80
Violet	A	V500	32171	31481	-3	3.88	736	10.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17110	18.35	657	36	N/A	N/A	Pass
Blue	F	SSC	56627	1.49	586	27	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0173	131	Pass
Blue	D	PE	134	50.96	561	13	0.1510	261	Pass
Blue	B	PerCP-Cy5-5	215	51.99	670	14	0.0081	42	Pass
Blue	A	PE-Cy7	107	109.75	715	17	0.0096	19	Pass
Red	C	APC	383	25.47	589	5	0.0245	166	Pass
Red	A	APC-Cy7	172	28.24	560	4	0.0058	926	Pass
Violet	B	V450	65	57.53	463	5	0.0512	1830	Pass
Violet	A	V500	110	32.80	479	5	0.0240	746	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.68	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.17	13.60 - 20.40	N/A	N/A	30.14	30.42	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9612

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments